Tentative Workshop Agenda (revised 09/25/02)

Mercury Science Strategy for the Bay-Delta System and Watershed

Tuesday, October 8, and Wednesday, October 9, 2002
Moss Landing Marine Laboratories, 8272 Moss Landing Road
Moss Landing, California

(Workshop location may be changed if the number of registrants exceeds capacity at MLML)

TUESDAY, October 8

7:30 am	Registrant Sign In
8:00 am	Welcome and Opening Remarks. Sam Luoma, CALFED Science Program
8:10 am	Objectives of the Workshop. Jim Wiener, University of Wisconsin-La Crosse (La Crosse, Wisconsin)

Session 1: The Bay-Delta Ecosystem–Characteristics Relevant to the Cycling of Mercury and Bioaccumulation of Methylmercury (Moderator: David Krabbenhoft)

8:25 am	Hydrodynamics of the Bay-Delta System and Watershed. Jon Burau, US Geological Survey (Sacramento, California)
9:05 am	Trophic and Community Ecology. Robin Stewart, US Geological Survey (Menlo Park, California)
9:40 am	Geoenvironmental Setting: Natural and Mining-Related Anthropogenic Sources of Mercury. Charles Alpers, US Geological Survey (Sacramento, California)
10:15 am	Break

Session 2: The Bay-Delta Ecosystem–State of our Knowledge of the Cycling, Transformation, Bioaccumulation, and Effects of Mercury (Moderator: Dyan Whyte)

10:30 am	Mercury in the Bay-Delta Watersheds. Joseph Domagalski, US Geological Survey (Sacramento, California)
11:30 am	Mercury in the Bay-Delta System. Mark Stephenson, Moss Landing Marine Laboratories (Moss Landing, California)
12:30 pm	Lunch

Session 3: Key Findings from other Ecosystem-Level Mercury Investigations–Implications for the Bay-Delta System and Watershed (Moderator: Jim Wiener)

1:30 pm	Controls on Mercury Cycling in the Florida Everglades. Cynthia Gilmour, Academy of Natural Sciences, Estuarine Research Center (St. Leonard, Maryland)
2:00 pm	Mercury Experiment To Assess Atmospheric Loading in Canada and the United States, the METAALICUS Project. Reed Harris, Tetra Tech Inc. (Oakville, Ontario)
2:30 pm	Mercury Investigations in Other Estuarine Systems. Kristofer Rolfhus, University of Wisconsin-La Crosse (La Crosse, Wisconsin)
3:00 pm	Break

Session 4: Ecological Restoration of Wetlands in the Bay-Delta System and Watershed
(Moderator: Cynthia Gilmour)

3:15 pm An Overview of Planned Wetland Restoration Activities. Lauren Hastings, CALFED Ecosystem Restoration Program (Sacramento, California)

4:00 pm Characteristics of Wetlands in the Bay-Delta System and their Relation to the Potential Production and Export of Methylmercury. Group Discussion

5:30 pm Adjourn

WEDNESDAY, October 9

Session 5: Towards a Mercury Science Strategy for the Bay-Delta System and Watershed
(Moderator: Chris Foe)

8:00 am Goal, Unifying Themes, and Scope of the Strategy. Jim Wiener, University of Wisconsin-La Crosse

8:30 am Conceptual Framework for the Strategy. David Krabbenhoft, US Geological Survey (Middleton, Wisconsin)

9:30 am Framing Management Questions to Formulate a Science Agenda. Dyan Whyte, CALFED and California Regional Water Quality Control Board (Oakland, California)

10:15 am Break

Session 6: Identification of Management Questions and Goals concerning Mercury in the Bay-Delta System and Watershed

10:30 am Group Discussions

Topical Breakout Groups:
(1) Mercury Sources, Remediation, and Loadings
(2) Biological Monitoring, Health-Risk Assessment, and Risk Communication
(3) Bioaccumulation and Ecological Risk Assessment
(4) Wetland Restoration and Methylmercury Exposure

12:30 pm Lunch

Session 7: Identification of Critical Information Gaps concerning Mercury in the Bay-Delta System and Watershed

1:30 pm Group Discussions (same topical breakout groups as in Session 6)

Session 8: Formulation of Goals, Objectives, and Priorities for Mercury Investigations in the Bay-Delta System and Watershed

3:30 pm Group Discussions (same topical breakout groups as in Sessions 6 & 7)

5:15 pm Reports of Breakout-Group Leaders

6:15 pm Next Steps in Development of the Strategy. Jim Wiener, University of Wisconsin-La Crosse

6:30 pm Adjourn